

Please replace the paragraph on page 8, starting on line 28, with the following replacement paragraph:

Example 10

A2 15 g novolak (Bakelite Company) dilutable in water/solvent mixture,
1.2 g hexamethylenetetramine
alternatively resol, alternatively resol/novolak mixture, alternatively another adhesive agent
5 g TiO₂, alternatively 15 g TiO₂ and 30 g zinc powder is made up to 100 g with
water/solvent mixture.--.

IN THE CLAIMS:

Please cancel claim 8 without prejudice.

Please amend claims 1 to 7, 9 and 10, without prejudice, as follows:

A3 1. (Amended) An aqueous or water containing organic coating solution with electrically conductive additive particles, comprising at least one of boron carbide, silicon carbide, a conductive oxide, silicide, carbide of transitional elements, boride of transitional elements and lanthanides, wherein an electrical conductivity of the additive particles is in the metallic range, and the additive particles are configured to have a continuous physical connection in at least one spatial direction.

2. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, further comprising an adhesive agent.

3. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, wherein the transitional elements and lanthanides form one of mixed oxides, silicides, carbides and borides.

4. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, wherein the electrical conductivity is in a range of $\sigma > 10^2 \text{ I}/\Omega \text{ cm}$ to $\sigma < 10^7 \text{ I}/\Omega \text{ cm}$.

no responsive letter
initial nov elec
solid mix
And to claim carbide

5. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, wherein the transitional elements include at least one of iron, manganese, zirconium, titanium, molybdenum, vanadium and tungsten.

6. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, wherein the transitional elements and lanthanides show a mixture of various oxidation states.

93 7. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, wherein the lanthanide includes cerium.

9. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 1, further comprising a non-noble metal in an elemental state.

10. (Amended) The aqueous or water containing organic coating solution with electrically conductive additive particles according to claim 9, wherein the non-noble metal includes at least one of zinc and aluminum.

Please add new claims 11 to 27 as follows:

94 --11.(New) A method for coating a substrate comprising the steps of:
depositing an aqueous or water containing organic coating solution with electrically conductive additive particles onto the substrate; and
curing the coating solution,
wherein the aqueous or water containing organic coating solution with electrically conductive additive particles, comprising at least one of boron carbide, silicon carbide, a conductive oxide, silicide, carbide or boride of transitional elements and lanthanides, and
wherein an electrical conductivity of the additive particles is in the metallic range, and the additive particles are configured to have a continuous physical connection in at least one spatial direction.

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12. (New) The method for coating a substrate according to claim 11, further comprising the step of applying a later organic coating including one of a pigmented coating and a priming coat after curing the coating solution.

13. (New) The method for coating a substrate according to claim 11, wherein the organic coating solution is applied to the substrate according to a coil coating method.

14. (New) The method for coating a substrate according to claim 11, wherein the electrical conductivity of a coating formed by the organic coating solution is in a range of $\sigma > 10^2 \text{ I}/\Omega \text{ cm}$ to $\sigma < 10^7 \text{ I}/\Omega \text{ cm}$.

24 15. (New) The method for coating a substrate according to claim 11, wherein the transitional elements include at least one of iron, manganese, zirconium, titanium, molybdenum, vanadium and tungsten.

16. (New) The method for coating a substrate according to claim 15, wherein the transitional elements and lanthanides form one of mixed oxides, silicides, carbides and borides.

17. (New) The method for coating a substrate according to claim 11, wherein the lanthanide includes cerium.

18. (New) The method for coating a substrate according to claim 11, wherein the transitional elements and lanthanides show a mixture of various oxidation states.

19. (New) The method for coating a substrate according to claim 11, wherein the organic coating solution further comprises a non-noble metal in an elemental state.

20. (New) The method for coating a substrate according to claim 19, wherein the non-noble metal includes at least one of zinc and aluminum.

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